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PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Docket No: Q91454

Yoshiji TAKEMOTO

Appln. No.: 10/562,579

Group Art Unit: Unknown

Confirmation No.: Unknown

Examiner: Unknown

Filed: December 27, 2005

For: ASYMMETRIC UREA COMPOUND AND PROCESS FOR PRODUCING
ASYMMETRIC COMPOUND BY ASYMMETRIC CONJUGATE ADDITION
REACTION WITH THE SAME AS CATALYST

INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. §§ 1.97 and 1.98

MAIL STOP AMENDMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56, Applicant hereby notifies the U.S. Patent and Trademark Office of the documents which are listed on the attached PTO/SB/08 A & B (modified) form and/or listed herein and which the Examiner may deem material to patentability of the claims of the above-identified application.

One copy of each of the listed documents is submitted herewith.

1. T. Okino et al., "Enantioselective Michael Reaction of Malonates to Nitroolefins Catalyzed by Bifunctional Organocatalysts", J. Am. Chem. Soc. 2003, Vol. 125, No. 42, pp. 12672-12673 was previously filed on December 27, 2005.

INFORMATION DISCLOSURE STATEMENT

U.S. Appln. No.: 10/562,579

March 22, 2006

2. U.S. Patent Application No. 2003/0229121 A1, published December 11, 2003 to Du Bois et al., (this reference corresponds to WO 2003/045937 which was previously cited to the USPTO on December 27, 2005).
3. M. L. Tommasino et al., "Asymmetric hydrogenation of enamides with catalysts containing chiral thiourea ligands", *Tetrahedron: Asymmetry* 11 (2000), pp. 4835-4841 was previously filed on December 27, 2005.
4. T. Okino et al., "Enantio- and Diastereoselective Michael Reaction of 1,3-Dicarbonyl Compounds to Nitroolefins Catalyzed by a Bifunctional Thiourea", *J. Am. Chem. Soc.* 2005, Vol. 127, No. 1, pp. 119-125.
5. Y. Hoashi et al., "Enantioselective Michael Addition to α,β - Unsaturated Imides Catalyzed by a Bifunctional Organocatalyst", *Angew. Chem. Int. Ed.*, 2005, 44, pp. 4032-4035.
6. Y. Hoashi et al., "Bifunctional thiourea-catalyzed enantioselective double Michael reaction of γ,δ -unsaturated β -ketoester to nitroalkene: asymmetric synthesis of (-)- epibatidine", *Tetrahedron Letters* 45, (2004), pp. 9185-9188.
7. WO 05/058805 A1 published June 30, 2005 with Abstract.

The present Information Disclosure Statement is being filed: (1) No later than three months from the application's filing date; (2) Before the mailing date of the first Office Action on the merits (whichever is later); or (3) Before the mailing date of the first Office Action after filing a request for continued examination (RCE) under §1.114, and therefore, no Statement under 37 C.F.R. § 1.97(e) or fee under 37 C.F.R. § 1.17(p) is required.

INFORMATION DISCLOSURE STATEMENT


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The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicant does not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account.

Respectfully submitted,



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WASHINGTON OFFICE

23373

CUSTOMER NUMBER

Date: March 23, 2006

Substitute for Form 1449 A & B/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/562,579
		Confirmation Number	Unknown
		Filing Date	December 27, 2005
		First Named Inventor	Yoshiji TAKEMOTO
		Art Unit	Unknown
		Examiner Name	Unknown
Sheet	1	of	1
		Attorney Docket Number	Q91454

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code ² (if known)		
		US 2003/0229121	A1	12/11/2003	Du Bois et al.
		US			
		US			
		US			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Translation ⁶
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)			
		WO	2005/058805	A1	06/30/2005		Abstract

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation ⁶
		T. Okino et al., "Enantio- and Diastereoselective Michael Reaction of 1,3-Dicarbonyl Compounds to Nitroolefins Catalyzed by a Bifunctional Thiourea", J. Am. Chem. Soc. 2005, Vol. 127, No. 1, pp. 119-125.	
		Y. Hoashi et al., "Enantioselective Michael Addition to α,β -Unsaturated Imides Catalyzed by a Bifunctional Organocatalyst", Angew. Chem. Int. Ed., 2005, 44, pp. 4032-4035.	
		Y. Hoashi et al., "Bifunctional thiourea-catalyzed enantioselective double Michael reaction of γ,δ -unsaturated β -ketoester to nitroalkene: asymmetric synthesis of (-)-epibatidine", Tetrahedron Letters 45, (2004), pp. 9185-9188.	

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²See Kind Codes of USPTO Patent Documents at www.uspto.gov, MPEP 901.04 or in the comment box of this document. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to indicate here if English language Translation is attached.